



Your Guide to Isle Royale National Park
www.nps.gov/isro

National Park Service
U.S. Department of the Interior



Partners Make the Difference

GETTING TO ISLE ROYALE IS A JOURNEY, ONE WHERE you cannot step out of your car and touch its borders. You have to make a commitment of time and resources to visit the island, and once there you cannot easily change your mind and return home. Perhaps this is one of the reasons why fewer than 20,000 visitors come to the Island each year. However, once you arrive, you can relish exploring its rugged trails, scenic vistas, unique challenges of terrain, and the beauty of the native plants and animals. Perhaps this is why repeat visitors make up 30% of Isle Royale use every year. Isle Royale is one of 44 national parks with congressionally designated Wilderness. With 99% of the Island designated Wilderness, it is probably one of the most intact ecosystems due to its isolation and limited human impacts.

The largest impact to the island ecosystem is the moose; a single one must eat 40 or more pounds of plant matter a day to survive. They are the current drivers of the type and abundance of plant and tree species on the island. Their balance with the wolf population is a seesaw of gains and losses mixed with the effects of harsh weather and food availability. There are many things scientists have learned by studying Isle Royale and there is much left to be discovered. In the future, the Park would like to expand the type of research that would help managers of boreal forests better understand and support these systems around the world. The ability of the park to do that will be dependent on developing partnerships.

This past year the Park joined with the National Park Conservation Association and interns in the Master's programs at Harvard and Northwestern Universities' Schools of Business to develop a business plan. The plan develops a historical look at funding and ability to accomplish the NPS mission. It captures the current "state of the Park" and develops and discusses strategies to move the park forward. Overall, the study shows the park was under-funded 32%, or \$1,846,596. The program with one of the largest gaps in funding was the Natural Resource

program (by 58%), which supports the wolf/moose studies and critical inventories and monitoring. Other under-funded program areas include Transportation and Fleet (33%), Building Maintenance (63%), and Cultural Resources (80%). If you are interested in a copy of the business plan, please contact the Park at 906-482-0984.

Volunteers and partnerships are what have made the difference between quality programs and shoestring programs by contributing the equivalent of over \$200,000 worth of work every year (7% of the parks budget). In addition, donations and direct contributions have helped the park in areas as diverse as employee housing to supporting research studies. This is why partnerships will be a critical part of supporting Isle Royale in the future as our Nation faces complex and costly challenges of terrorism and domestic issues.

Partnerships will be essential in reducing the threat of exotic species invasion on the Island. Multi-agency public and private support are needed to stem the tide of introduction and to help eradicate invaders as control methods become known. Partnerships to help preserve and protect critical cultural resources will be essential as the Park develops a management plan for the cultural sites on the island, including over 150 structures that are eligible for the National Register. These unmet needs are significant, but people working together can address them.

In the meantime, the coastlines and forests of Isle Royale will receive primary protection from the Park base budget. We appreciate the support from all our visitors who take the time to make the journey to Isle Royale. Your stewardship for the Island is evidenced by your adherence to the Leave No Trace principles and the respect you show for the wildlife and landscape of the Island. Happy trails, no matter where they lead you.

Phyllis A. Green
Superintendent, Isle Royale National Park

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Educational Programs about the natural and cultural history of the Park.

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Pull-out section with information on leave-no-trace hiking, camping, fishing, and boating.

11 Transport & Fees

Ferry schedules; daily fees.

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Books and maps provided through the Isle Royale Natural History Association.



National Park Service
U.S. Department of the Interior



Contacts

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Houghton, MI 49931-1869

Phone: 906-482-0984

Fax: 906-482-8753

Website Address: www.nps.gov/isro

E-mail for General Information:

ISRO_ParkInfo@nps.gov

E-mail for Website Comments:

ISRO_Website@nps.gov

Emergencies:

During business hours:

Park Headquarters 906-482-0984

After Hours: Rock Harbor Ranger

Station 906-483-3170,

Windigo Ranger

Station 906-337-4994,

or your nearest USCG office

To Contact NPS Personnel: Houghton

Police Department, 906-482-2121

Michigan's Keweenaw

Tourism Council

Phone: 800-338-7982

Website Address:

www.portup.com/keweenaw

E-mail: Keweenaw@usa.net

Minnesota's Grand Marais

Visitor Information Center

Phone: 218-387-2524

Website Address:

www.grandmarais.com

Rock Harbor Lodge

Website Address:

www.isleroyaleresort.com

E-mail for Rock Harbor Lodge:

Isleroyaleresort@starband.net

Summer

P. O. Box 605

Houghton, MI 49931-0605

Phone: 906-337-4993

Winter

Isle Royale Resorts, P. O. Box 27,

Mammoth Cave, KY 42259-0027

Phone: 270-773-2191

Isle Royale Natural

History Association

(Books & Maps)

800 E. Lakeshore Drive

Houghton, MI 49931-1869

Phone: 800-678-6925; 906-482-7860

Website Address:

www.irnha.org

E-mail:

irnha@irnha.org

National Weather Service

Radio Forecasts

- 162.400 MHz from
Houghton, Michigan.
- 162.475 MHz from
Thunder Bay, Ontario, Canada.

Website Weather Forecasts

for Isle Royale

Michigan – Hikers and Boaters

www.crh.noaa.gov/mqt

Minnesota – Hikers and North Shore

Boaters

www.crh.noaa.gov/dlh

**This publication is produced
by Isle Royale National Park
and the Isle Royale Natural
History Association.**

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and Smitty Parratt.
- Photographs from the Isle Royale
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- Isle Royale Natural
History Association
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—Printed on recycled paper—

Did You Know?

- ◆ Public Law 88-577, known as the Wilderness Act, was enacted in 1964.
- ◆ Isle Royale's Wilderness was designated in 1976.
- ◆ There are 640 designated wilderness areas in the United States.
- ◆ There are 388 units of the National Park Service (NPS).
- ◆ Based on acreage, the NPS manages 42% of all designated wilderness in the United States, spread over 44 units of the NPS.
- ◆ 39 additional units of the NPS contain areas of proposed/recommended wilderness and manage those parcels as wilderness.
- ◆ The largest designated wilderness in the United States is Wrangell-St. Elias Wilderness Area in Alaska, with 9,676,994 acres.
- ◆ Based on wilderness land area, Isle Royale's wilderness is the most densely used of all wilderness areas in national parks.
- ◆ Michigan contains 14 different wilderness areas, of which Isle Royale is the largest.

Smitty Parratt

Branch Chief of Interpretation

Ann Mayo Kiely, Wilderness Coordinator, Isle Royale National Park

How do you partner with and benefit Isle Royale?

*As the Wilderness
Coordinator, my goal
is to bring together
the public, park
managers,
researchers, and
other interested
parties to complete
the best Wilderness
and Backcountry*

*Management Plan possible for Isle Royale. Having worked here
previously as a Seasonal Interpreter and Wilderness Ranger, I
feel a close connection to the island and its visitors, and a
deep commitment to caring for this special place.*

How does your partnership/employment with Isle Royale National Park benefit you?

*From my partnership with Isle Royale I have gained a
greater understanding of the role of wild lands in peoples'
lives, and the role of people within wild lands. Working to
make these complex relationships mutually beneficial is a
life-long interest.*



Planning for Better Stewardship

Park personnel are currently undertaking three planning efforts called for by the recently completed General Management Plan (GMP), which recognized water resources, fish populations, and wilderness character as a portion of the park's national significance and purpose. A Water Resources Management Plan, a Fish Management Plan, and a Wilderness and Backcountry Management Plan will guide protection of these resources into the future. Whether you visit the park frequently or never set foot on the island, management is interested in hearing what you believe are pertinent issues related to the protection and management of Isle Royale National Park.

In addition to Lake Superior, there are hundreds of inland lakes, ponds, streams, and wetlands within park boundaries that support rare and protected species of wildlife and vegetation. Furthermore, most park visitors engage in some sort of water-based recreation during their visit to the island. Water resource professionals from the National Park Service, along with other agencies, universities and others are

coordinating development of the Water Resources Management Plan. Goals include: 1) summarizing existing data, biological/ecological resources, state and federal programs and legislation associated with water resources; 2) identifying water resource management needs and issues that impact water resources; and 3) developing strategies for addressing those issues.

A group of fishery professionals, including state, federal and tribal government personnel, will continue to meet to develop and write a Fish Management Plan to protect fishery resources. Objectives for the plan include: 1) establishing a formal communication process to interact with those agencies and governments that have management and monitoring responsibility; 2) identifying issues associated with long-term preservation of fish resources and developing strategies to address those issues; 3) examining the adequacy of existing fishing regulations for inland lakes' waters; 4) focusing on management of fish resources on native species; and 5) identifying information needed to monitor the health of fish populations. The plan will not propose

changes to fishing regulations for Lake Superior waters.

The Wilderness and Backcountry Management Plan will include goals for: 1) improving the quality of recreational experiences; 2) protecting natural resources, cultural resources, and wilderness character and values; and 3) specifying appropriate management actions for achieving these goals. Some issues to be addressed include improved recreation management, appropriate management actions and activities within designated Wilderness, and more specifically, options for campfire policies.

Planning efforts depend on a dedicated partnership between the public, park managers, private organizations, and other interested groups. For more information visit the park website, contact the Wilderness Coordinator at 906-487-9080 x25, or e-mail isro_wbmp@nps.gov.

Ann Mayo Kiely,
Wilderness Coordinator, and
Mark Romanski,
Lead Biological Technician



National Park–University Partnership Fosters Education and Research

The Isle Royale Institute Staff invites you to join us on one or more of the educational programs that will be offered this season at Isle Royale National Park. The Institute will be offering a number of different activities for all ages, skill levels, and interests. You may join us to improve your outdoor skills in areas such as Wilderness First Aid or become certified in Leave No Trace. You may choose to join an Institute leader on a photography hike, canoe with a naturalist, or attend the Writers Conference to improve your skills in those areas. Activities scheduled for the summer of 2003 include Ranger III and Rock Harbor presentations on regional research, half day hikes on the Island with naturalists,

and multi-day excursions into the Park. Institute staff will be leading outings with staff from Elderhostel, Michigan Technological University, University of Minnesota Duluth, Sierra Club, Audubon, International Wolf Center and several other organizations.

The Isle Royale Institute is a partnership between the National Park Service, Michigan Technological University, and the University of Minnesota Duluth. Our mission is to promote education and research at Isle Royale National Park and on the waters of Lake Superior. This new Institute has been able to provide opportunities for our Park’s visitors to further their

understanding of the important research that is being undertaken in this region.

Institute staff provide opportunities for people to enjoy their wild lands using outdoor skills such as Leave No Trace so that these wonderful areas are preserved for all. To find out more about the Isle Royale Institute you may visit our Website at <http://www.forestry.mtu.edu/iri> or pick up one of our brochures that describe our summer courses at Park Visitor Centers. The Institute staff invites you to join us as we explore our wilderness National Park.

Mark Gleason
Director, Isle Royale Institute

John and Ann Mahan,
authors/photographers,
Sweetwater Visions;
Isle Royale Institute
instructors



*How do you partner with
and benefit Isle Royale?*

As volunteers since 1985, we provide photographs for NPS programs and displays, and present programs at Rock Harbor; this partnership enables us to give something back to an ecosystem that has given us so much. Having written an ecosystem-perspective book on Lake Superior, and specializing in the larger Great Lakes ecosystem, we bring a unique knowledge and experience to the Isle Royale Institute courses.

*How does the partnership
with Isle Royale National
Park benefit your agency
and/or yourself?*

Sharing our knowledge and love of the island with enthusiastic course participants has been a moving and enriching experience.



Wendy Weis Smith,
Education Coordinator,
Great Lakes Research
and Education Center,
National Park Service

*How do you partner with
and benefit Isle Royale?*

The Great Lakes Research and Education Center finds researchers to study the natural and cultural resources on Isle Royale and 10 other national park properties. My role, as Education Coordinator, is to help the parks’



interpretive staffs share new research findings with the public. Isle Royale belongs to the American people. The more they understand about this complex and beautiful wilderness, the better equipped they will be to appreciate and care for it.

*How does the partnership
with Isle Royale National
Park benefit your agency
and/or yourself?*

I really love Isle Royale, and it gives me a great feeling to do something to benefit this incredible resource. Also, knowledge gained from research on Isle Royale could be useful to scientists and resource managers in other parks across the country.

The Wolves and Moose of Isle Royale

Now in its 45th year, the annual wolf/moose-predator/prey research and monitoring program revealed a slight drop in wolf numbers in 2002. For the second consecutive year the wolf population declined due to high mortality, linked to the continued shortage of old moose. At the end of winter study operations in March 2002, three wolf packs roamed the island. The East Pack contained six wolves; the Middle Pack had four, Chippewa Harbor had five individuals, and two loners rounded off the population at seventeen. We also know that both the Chippewa Harbor Pack and Middle Pack produced pups in 2002. Inter-pack rivalry in late Fall 2001 resulted in the death of two East Pack members, including the alpha male. Thus, we are fairly certain the East Pack did not reproduce in 2002.

Isle Royale’s moose population was estimated to be 1,100 animals at the end of March 2002, up from an estimated 900 animals the previous year. With mild weather and low snow depth at winter study’s onset, moose had not yet migrated into coniferous lowlands in search of balsam fir, their winter staple, but instead remained in the deciduous highlands to feed until late February when the snow crusted over. Lack of movement to their usual winter haunts increased detection of moose during survey over flights to about twice the normal level. Low snow depth also meant that wolves had a difficult time preying on calves, because a cow moose, not limited by deep snow, could better defend herself and calf. Six of 19 wolf kills in winter 2002 were calves, about half the number observed in 2001, when snow

depth was close to average. The continual slow increase of the moose population is expected, with annual variation tied to weather patterns.

The annual “Winter Study” program contributes significantly to the research and survey work completed on the wolf and moose populations of Isle Royale. Results of the 2003 Winter Study effort can be purchased at the Park Visitor Centers or ordered from the back page of this newspaper. As Winter Study 2003 neared its end, researcher Dr. Rolf Peterson stated, “Preliminary information indicates the wolf population increased

Dr. Rolf Peterson, Professor and Research Scientist,
Michigan Technological University

*How do you partner with
and benefit Isle Royale?*

I hope that the wolf-moose predator-prey study has helped improve wolf-human relations. In 50 years, people have learned not to fear wolves. However, it is vital that we retain our respect for wolves, giving them space so that they can keep their space from us. We welcome visitors at our research site, the Bangsund Fishery, across from Daisy Farm Campground, 1/3 mile southwest of Edisen Fishery.

*How does the partnership with Isle Royale National Park
benefit your agency and/or yourself?*

Isle Royale has been home for 33 winter studies and for 33 summers for my family. Its lessons are sometimes subtle, and sometimes spectacular. In a fast-paced world, I’ve learned patience.



Interpretive Activities

Enjoyable and educational programs are offered on Isle Royale at Rock Harbor, Daisy Farm, and Windigo, and they are also presented on the National Park Service vessel, *Ranger III*. In addition, guided excursions explore such areas as

Passage Island and Lookout Louise near Rock Harbor. Ranger guided programs are free, although those involving the tour boat *MV Sandy* include a transportation fee. Check at local bulletin boards for further details. For outdoor activi-

ties, dress for the possibility of cold or rain and wear sturdy footwear. Trails are slippery and muddy during or after wet weather; wear shoes with good ankle support, weatherproofing, and soles that grip well. COME JOIN US!

- Full programming runs from June 15 through Labor Day 2003, unless otherwise noted
- All times are Eastern Daylight Time
- Visitor Center & Evening Program Schedules may be subject to change.
- \$ = transportation cost
- ** = indicates tours with a park ranger

ROCK HARBOR AREA	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Rock Harbor Visitor Center Information, books, maps, & other educational sales materials, camping permits, user fees.			Daily 8:00 a.m. to 8:00 p.m.				
Evening Program Learn about Isle Royale’s natural and cultural history.			Will be offered most nights 7:30 p.m. to 8:30 p.m.; check at the visitor center for availability and location.				
Nature Walk Take a leisurely stroll with a ranger at Rock Harbor to learn about Isle Royale’s natural or cultural history.	May be offered on days when the <i>Isle Royale Queen III</i> comes to Rock Harbor; check local bulletin boards.						

MV SANDY TOURS FROM ROCK HARBOR	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
The trails on guided tours are rocky and uneven with some steep climbs and descents; trails may be slippery. Be prepared for cold temperatures and the possibility of rain. If stormy weather cancels the boat trip, an alternate guided hike is offered.	For all tours and programs involving the <i>MV Sandy</i> , obtain tickets and information at the Lodge Registration Office. MV Sandy Tours will operate from June 10 through September 5. Fare rates for the various tours are available at the Rock Harbor Lodge and Rock Harbor Visitor Center; children under 12 are charged half-price for the <i>MV Sandy</i> .						

Hidden Lake/Lookout Louise (\$) ** Greenstone Shuttle A 4-mile boat trip on the <i>MV Sandy</i> to Hidden Lake Trailhead followed by a guided 2-mile round trip hike past Hidden Lake up 320 feet to Lookout Louise. View Ontario and the north shore of Isle Royale. Return with the group or bring a lunch and water and hike 10.2 miles back to Rock Harbor.			9:00 a.m. to 12:30 p.m.		9:00 a.m. to 12:30 p.m.		
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Passage Island (\$) ** An 8-mile boat tour on the <i>MV Sandy</i> to the island across one of Isle Royale’s popular shipping lanes followed by a guided 2-mile round trip walk to the Passage Island Lighthouse. You’ll see the rare devils club, an isolated glacial relic.		1:30 p.m. to 6:00 p.m.				1:30 p.m. to 6:00 p.m.	
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North Side Cruise/Minong Mine (\$) ** Cruise two hours each way along Isle Royale’s north shore bays. Pass Blake Point and Amygdaloid Island, with a possible stop at Belle Isle. A guide may be available to lead a 3-mile guided hike from McCargoe Cove to the historic Minong Mine. The hike includes difficult walking over steep piles of loose rock on an unmaintained trail. A side trip up the ridge to Pine Mountain, with excellent views of the Canada shoreline, may be included. Bring lunch and beverage.				9:00 a.m. to 5:30 p.m.			
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Edisen Fishery and Rock Harbor (\$) Visit a historic commercial fishery with the resident fishery demonstrator and take a quarter-mile walk to the oldest lighthouse (1855) on Isle Royale.					2:00 p.m. to 6:00 p.m.		9:00 a.m. to 1:30 p.m.
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Captain’s Cruise (\$) Explore with the Captain of the <i>MV Sandy</i> scenic, out-of-the-way destinations, such as Middle Island Passage, Lorelei Lane, Rock Harbor Lighthouse, Davidson Island, and Starvation Point.			2:00 p.m. to 5:30 p.m.				
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Raspberry Island/Sunset Cruise Take a walk along a boardwalk through the spruce bog on Raspberry Island followed by a cruise on the <i>MV Sandy</i> around Scoville and Blake Points to view features like the Canada shorline, the site of the Monarch shipwreck, and a Lake Superior sunset (after Aug. 15, cruise only)			8:00 a.m. to Sunset in June-July 7:30 p.m. to Sunset in August-September				
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DAISY FARM	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Evening Program (June 14 – August 13) Check bulletin board for meeting place. Learn about Isle Royale’s natural and cultural history at the site of a historic settlement.				7:30 p.m. to 8:30 p.m.			7:30 p.m. to 8:30 p.m.

WINDIGO	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Windigo Visitor Center Information, books, maps, and other educational sales materials, camping permits, user fee payments.			Daily 8:00 a.m. to 6:00 p.m.				
Evening Program Learn about Isle Royale’s natural and cultural history.			Nightly 7:30 p.m. to 8:30 p.m.; check at visitor center for meeting place.				
Nature Walk Join a ranger for a one-mile stroll through swamp, forest, and past a moose enclosure.			Daily 2:30 p.m. to 4:00 p.m.; meet at visitor center.				
Windigo Whispers Join a ranger to explore special topics relating to Windigo’s natural or cultural history.			Daily 1:30 p.m. to 2:00 p.m.; meet at visitor center.				

HOUGHTON	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Houghton Visitor Center Information, books, maps, and other educational sales materials, <i>Ranger III</i> and group camping reservations, trip planning, boater camping permits, and user fee payments.		Open year-round 8:00 a.m. to 4:30 p.m. Monday through Friday 6/16 through 8/16 open 8:00 a.m. to 6:00 p.m. Monday through Saturday 8/18 through 9/6 open 8:00 a.m. to 4:30 p.m. Monday through Saturday					

RANGER III	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Maritime Program (\$) Isle Royale Institute and park staff present educational and interpretive programs about Isle Royale and Lake Superior onboard the <i>Ranger III</i> , weather permitting. Park staff can assist you in trip planning, answer questions and issue backcountry camping permits.			9:00 a.m. to 3:00 p.m. 6/3 thru 9/9	9:00 a.m. to 3:00 p.m. 6/4 through 9/10		9:00 a.m. to 3:00 p.m. 5/30 thru 9/12	9:00 a.m. to 3:00 p.m. 5/31 through 9/13

JUNIOR RANGER PROGRAM							
	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Children 6 to 12 years old can participate in the Junior Ranger Program. Check at any Isle Royale National Park Visitor Center for details. Children can graduate in one full day and receive a badge and certificate.		Available daily Rock Harbor and Windigo. Available Tuesdays, Wednesdays, Fridays, and Saturdays aboard the <i>Ranger III</i> vessel.					

Wilderness Use

During Isle Royale's early history, visitors risked much to get there. They did not come to vacation; they came to tame the wilderness through mining its copper, harvesting its fish and logging. The island was never tamed, the resource never conquered, but its landscape holds the scars of these early attempts. Today Isle Royale has reverted back to a primitive wilderness. The environmental conditions historically viewed as a burden are now attracting a new clientele. Today's visitors, as in the past, can still adversely affect this sensitive resource. To minimize your impact on park resources and other visitors please practice "Leave No Trace" principles (for more information visit the Leave No Trace website at www.lnt.org). Where you place your feet is as important as how you treat and dispose of waste. Be part of the solution: help maintain the sense of solitude and preserve the wilderness flavor, a flavor that has the potential to change your life. Proper wilderness use begins with reading, supporting, and putting into practice the following information.

Camping

Permits are required for all overnight stays at campgrounds, cross-country sites, docks, or at anchor, regardless of group size or method of travel.

Party Size Defined

The party size for camping at Isle Royale is divided into two categories. "Individual" parties are defined as a group of six or less people. "Group" parties are defined as seven to ten people. There are different requirements outlined below based on party size.

Individual Camping Permits — parties of six or less

Camping for individual parties is on a first-come, first-serve basis. Individual parties can obtain permits onboard the Ranger III or upon arrival at Rock Harbor or Windigo Visitor Centers. For trip planning assistance, call (906) 482-0984; write to Isle Royale National Park, 800 East Lakeshore Drive, Houghton, Michigan 49931, or E-mail ISRO_ParkInfo@nps.gov.

Group Camping Permits — parties of seven to ten

Advance reservations are required for group camping. For reservations and trip planning assistance call (906) 482-0984; write to Group Reservations, Isle Royale National Park, 800 East Lakeshore Drive, Houghton, Michigan 49931, or E-mail ISRO_GroupReserve@nps.gov. If your party exceeds ten people, you must split into two groups, each independent and traveling on completely separate itineraries. Groups shall camp in group tent site locations only (see chart on page six). Group leaders shall carry medical information for each group member including known allergies, known medical conditions, and medications currently taken. Organizations may not have more than twenty people camping on the island at any one time.

Where to Camp

All campsites on Isle Royale offer tent sites and/or three-sided shelters. Shelter and tent sites are available on a first-come, first-served basis. Shelters may not be reserved and may not be used solely for cooking or storage of gear. Tents may not be erected at shelter sites. Be gentle with screen doors on shelters to minimize intrusive noise and to prevent damage.

Expect crowded conditions at park campsites during mid-July through August. When sites are full, we ask campers to double up and share empty tent pad space.

Campers must stay in established campsites unless off-trail (cross-country) arrangements are made at the time the permit is obtained. Off-trail hiking and camping is difficult at Isle Royale, and is only recommended for experienced campers.

Commercial Groups

Organizations that charge trip participants a fee or that compensate members or trip leaders in any way are commercial groups under federal law. This applies to both non-profit and for-profit organizations. Commercial groups must apply for and receive an Incidental Business Permit (IBP) to conduct trips in the park. There is a fee for this permit. IBP applications are only accepted between January 1 and May 15; contact the park's Chief Ranger's Office at (906) 487-7148.

“Quiet, Please”

Most visitors come to Isle Royale to hear the sounds of nature in a wild setting. Excessive human noise disturbs wildlife and other visitors. Sound travels easily over the water and on the trail. During quiet hours, between 10:00 p.m. and 6:00 a.m. EDT, if people in adjacent campsites can hear your activities, you are being too loud.

Respect Wildlife

Observe, photograph, and enjoy park wildlife from a safe distance. Use binoculars or zoom lens “to get closer” to wildlife. If animals flee, become defensive, or change their natural activities in your presence, you are too close! Loons are especially susceptible to disturbance, and may abandon their nests when approached too closely by boats. Cow moose with calves, particularly in the spring, and bull moose during the fall rut can be dangerous; give them a wide berth. It is illegal to feed, touch, tease, or intentionally disturb wildlife, their homes, nests, or activities. Animals, particularly fox and otter, when habituated to human food, may eventually overcome their natural wariness of humans and may have to be destroyed.

Human Waste

Proper disposal of human waste helps prevent pollution of water sources, minimizes aesthetic impacts to other visitors and reduces the spread of illness. Never defecate or urinate within 100' of lakes, streams, trails, or campsites. Use outhouses where available. In areas without outhouses, select a site that visitors are unlikely to discover. With a small trowel, dig a “cathole” 6 to 8 inches deep and 4 to 6 inches in diameter. Place used toilet paper and fecal material in the hole. Use toilet paper sparingly. After use, cover the “cathole” with the excavated soil and disguise it with natural materials. Urinate on durable surfaces, such as rocks, sand, or gravel. Try to avoid urinating on green plants. Pack out all used feminine-hygiene products in plastic bags, doubled to confine odor.

Showers

The concession operation offers token-operated shower facilities at Rock Harbor (5/26 – 9/5) and Windigo (6/6 – 9/7). In the backcountry, use biodegradable soap and bathe 100' or more from any water body.

Drinking Water

Potable water is only available at Rock Harbor and Windigo proper. The Windigo campground water source has been removed due to low chlorine residual, which can affect water quality. All surface lake and stream water should be considered contaminated with natural parasites. Drinking contaminated water can make you very sick. Water collected in the park should be boiled for at least two minutes, purified, or passed through a 0.4-micron water filter. Chemical treatment is not an effective method of water purification. If you boil your water, bring plenty of stove fuel. If filtering, bring a replacement cartridge for those filters that cannot be cleaned in the field. Precautions should be taken to prevent filters from becoming clogged. Filter water from a pot rather than directly from a lake or creek. Allow the sediment in the pot to settle and filter only from the cleaner water on top.

Dehydration is a problem in hot weather. The Greenstone, Minong, and other trails become hot and dry, and creeks that once offered water may be dry. In addition, there is little or no dependable water available along many trails. To avoid dehydration, be sure to carry a minimum of 2 quarts of water per person. Drink as much water as possible while near water sources. Start hiking early before the day heats up – on sunny days and gets hotter through late afternoon. Hike at a slower pace than usual and rest in shady spots. Watch for early warning signs of dehydration such as thirst, heavy sweating, fatigue, and a red face. Watch for signs of severe dehydration such as reduced or no sweating, headache, long stretches without urinating, dizziness, and nausea.

Virus Watch

The West Nile Virus

This virus has been in the United States since 1999. There have been no reported cases of this virus at Isle Royale National Park. Illness from the virus is rare. Most infections are mild, and symptoms include fever, headache, and body aches, occasionally with skin rash and swollen lymph glands.

Birds are a main source of infection for West Nile Virus. Mosquitoes acquire the virus from biting an infected bird. Infected mosquitoes transmit the Virus to humans while biting. Additional information on the West Nile Virus can be found at www.cdc.gov/ncidod/dvbid/westnile/index.htm.

To minimize risk, remain indoors at dawn, dusk, and in the early evening hours, and wear long-sleeved shirts and long pants outdoors. Apply insect repellents containing DEET up to 35% concentration for adults and 10% for children. Avoid using DEET on children less than two years old. Reduce harmful effects of DEET on the human body by applying it to clothing rather than skin.

Hantavirus

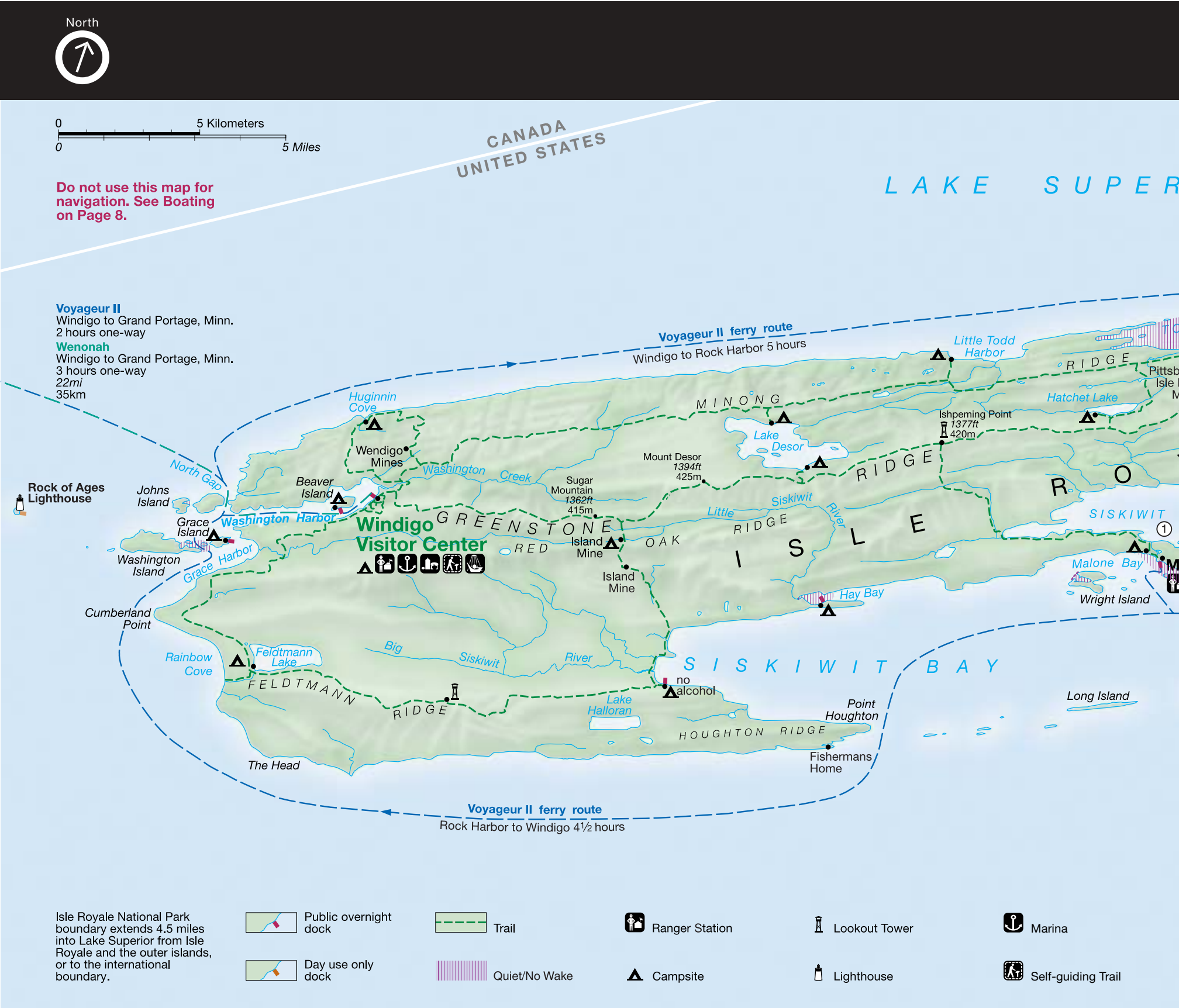
There have been no reported cases of Hantavirus at Isle Royale National Park. Generally, there is a low probability of infection. However, the death rate is very high among infected individuals. The first symptoms are flu-like; the primary symptom is difficulty in breathing and quickly progresses to an inability to breathe.

The deer mouse is the primary carrier of the virus. An infected mouse carries the virus in its urine, saliva, feces, and in the carcass. The primary way humans become infected is through breathing in the virus. Infection can also occur by touching the mouth or nose after handling contaminated materials.

To minimize risk, avoid coming into contact with rodent droppings and burrows, avoid sleeping on bare ground, and store food and garbage in rodent-proof containers. For additional information on Hantavirus contact the Centers for Disease Control and Prevention at 800-532-9929.

Pack It In, Pack It Out

It starts at home. Through careful meal planning and repackaging of food items, you can reduce food leftovers and trash in the backcountry. Please pack out everything you take in. Leftover food, food-scrap, orange peels, nutshells, apple cores, twist-ties, candy wrappers, fishing line, and cigarette butts must be packed out. If you have food leftovers, either save and eat them later or pack them out. Do not burn, bury or place trash, food scraps or garbage in outhouses. Please help keep the backcountry clean by packing out what you packed in.



CAMPGROUNDS

WARNING: Depth at dock. Know your boat's draft.

KEY: CR - Fires in community ring only
S - Self contained stoves only
W - Treated water supply
F - Campfires allowed or standing grills provided
A - No Alcohol

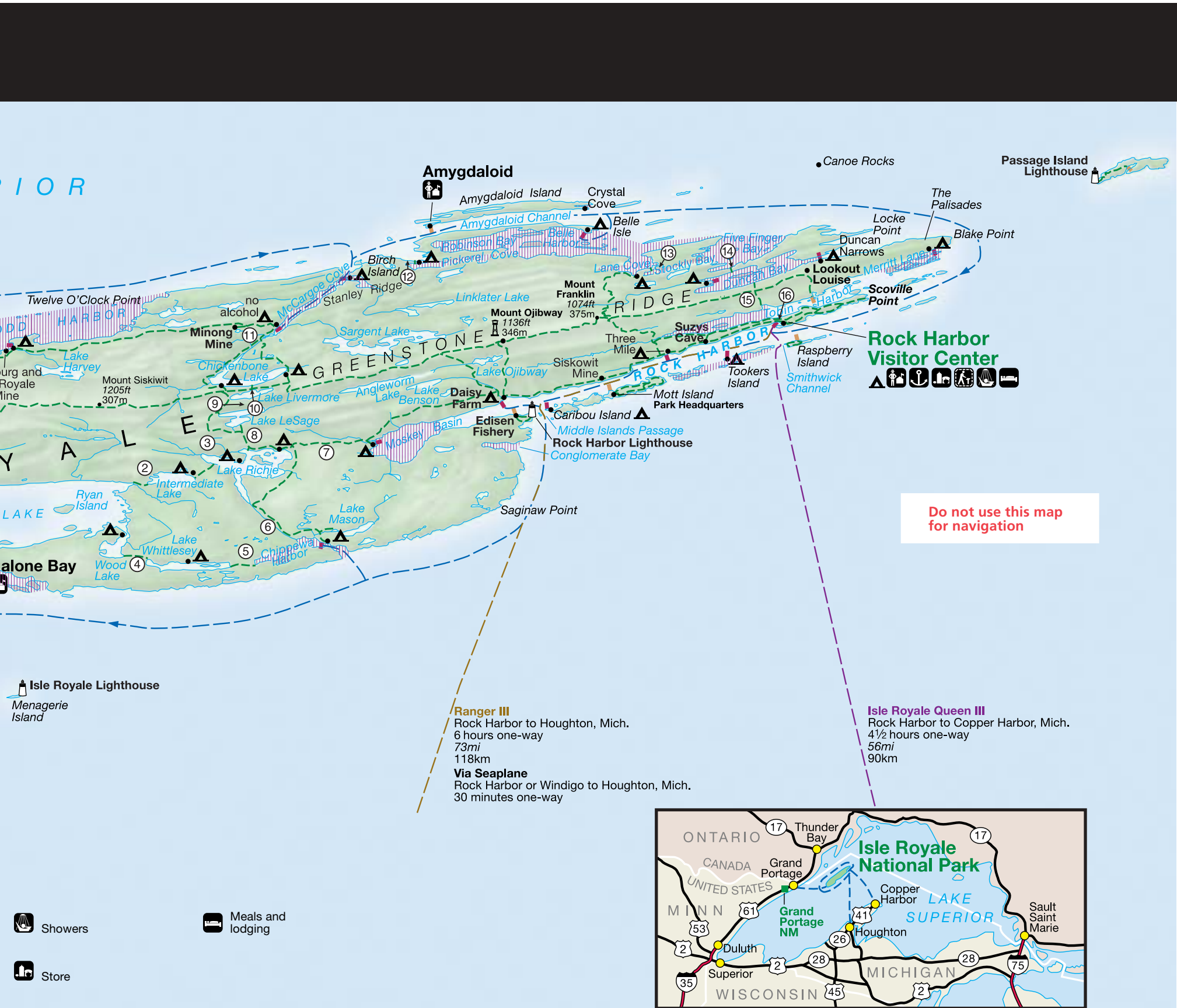
	Consecutive Night's Stay Limit Effective 6/1 - 9/2	Individual Tent Sites	Shelters	Group Tent Sites	Special Information	Approx. Depth at Dock in Feet	On-board Generator Use Permitted*
■ Beaver Island	3	0	3	0	S	2' - 5'	yes
■ Belle Isle	5	1	6	0	F	13'	yes
■ Birch Island	3	1	1	0	S	5'	no
■ Caribou Island	3	1	2	0	CR	10'	yes
■ Chickenbone E.	2	3	0	1	S	-	-
■ Chickenbone W.	2	6	0	3	S	-	-
■ Chippewa Harbor	3	2	4	1	F	7'	no
■ Daisy Farm	3	6	16	3	S	9'	no
■ Desor N.	2	3	0	0	S	-	-
■ Desor S.	2	7	0	3	S	-	-
■ Duncan Bay	3	1	2	0	F	6'	no
■ Duncan Narrows	3	1	2	0	F	6'	no
■ Feldtmann Lake	2	5	0	2	S	-	-
■ Grace Island	3	0	2	0	S	2' - 4'	yes
■ Hatchet Lake	2	5	0	3	S	-	-
■ Hay Bay	3	1	0	0	S	3' - 7'	yes
■ Huginnin Cove	3	5	0	0	S	-	-
■ Intermediate Lake	2	3	0	0	S	-	-
■ Island Mine	3	4	0	2	F	-	-
■ Lake Richie	2	4	0	2	S	-	-
■ Lake Richie/Canoe	2	3	0	0	S	-	-
■ Lake Whittlesey	2	3	0	0	S	-	-
■ Lane Cove	3	5	0	0	S	-	-
■ Little Todd	2	4	0	0	F	-	-
■ Malone Bay	3	0	5	2	F	3' - 6'	yes
■ McCargoe Cove	3	3	6	3	CR-A	7'	no
■ Merritt Lane	3	1	1	0	S	8'	no
■ Moskey Basin	3	2	6	2	S	8'	no
■ Pickerel Cove	2	1	0	0	S	-	-
■ Rock Harbor	1	11	9	3	W-S	-	-
■ Rock Harbor Marina	Unlimited	-	-	-	F	3' - 12'	yes
■ Siskiwit Bay	3	4	2	3	CR-A	2' - 6'	no
■ Three Mile	1	4	8	3	S	9'	no
■ Todd Harbor	3	5	1	3	CR	2'	no
■ Tookers Island	3	0	2	0	S	7'	no
■ Washington Creek	3	5	10	4	S-W	-	-
■ Windigo Dock	5	-	-	-	S	4' - 20'	yes
■ Wood Lake	2	3	0	0	S	-	-

*see Isle Royale Boating Guide for details

CANOE PORTAGES

- Distance•Elevation Change•General Comment
- ① Malone Bay - Siskiwit Lake - .3 miles, 40' Gradual Slope
 - ② Siskiwit Lake - Intermediate Lake - .4 miles, 40' Gradual
 - ③ Intermediate Lake - Lake Richie - .6 miles, 120' Hilly and wooded
 - ④ Wood Lake - Lake Whittlesey - .6 miles, 80' Rolling
 - ⑤ Lake Whittlesey - Chippewa Harbor - .6 miles, 140' Steep grades and rocky
 - ⑥ Chippewa Harbor - Lake Richie - 1.2 miles, 160' Hilly
 - ⑦ Moskey Basin - Lake Richie - 2.0 miles, 120' Gradual but very long
 - ⑧ Lake Richie - Lake LeSage - .6 miles, 100' Steep grades, wet
 - ⑨ Lake LeSage - Lake Livermore - .4 miles, 80' Steep grades, wet
 - ⑩ Lake Livermore - Chickenbone Lake - .2 miles, 40' Steep but short
 - ⑪ Chickenbone Lake -McCargoe Cove - .7 miles, 80' Hilly
 - ⑫ Pickerel Cove - .1 miles, 10' Short and sweet
 - ⑬ Lane Cove - Stockly Bay - .1 mile, 8' Short and sweet
 - ⑭ Five Finger Bay - Duncan Bay - .2 miles, 8' Short and sweet
 - ⑮ Duncan Bay -Tobin Harbor - .8 miles, 175' Extremely steep
 - ⑯ Tobin Harbor - Rock Harbor - .2 miles, 40' Up and over

NOTE: Because of Isle Royale's geology, north-facing slopes are much steeper than south-facing slopes.



MEDICAL + TIPS

- The island’s wilderness and Lake Superior present challenges and potential hazards to the inexperienced or ill-prepared.
- Basic emergency services are available on the island, but contacting rangers for assistance can be difficult. Emergency response and evacuation may take time, requiring you to rely on your own skills and equipment. Most private boats on Lake Superior have radios and can contact park rangers in an emergency.
- Bring a good first aid kit, a sufficient supply of any needed medications, and clothing appropriate for the time of year.
- Boil or filter all surface water. Drink plenty of water. When dehydrated, you tire more quickly, don’t think clearly, and are more prone to fall.
- **Weather and lake conditions can deteriorate quickly and unexpectedly. Hypothermia can occur any time of the year, especially near Lake Superior, where water and air temperatures are cool to cold year-round. Fog and waves can quickly create dangerous conditions for any boat and especially for paddlers.**
- Many people underestimate hiking travel times and overestimate their abilities. Plan shorter, realistic travel days; don’t turn your wilderness trek into a forced march.

FISHING REGULATIONS				
Species	Seasons	Minimum Size	Daily Possession Limit	Comment
Lake Trout, Rainbow Trout and Salmon Lake Superior	April 16 to October 31	10”	5 in any combination, but no more than 3 of any one species	*1 *2
Coaster Brook Trout Lake Superior	May 1 to Labor Day	18”	1	No take is recommended due to rarity of fish
Brook Trout Streams	Last Saturday in April to August 15	7”	2, with no more than one over 12”	Artificial lures only on interior lakes and streams**
Rainbow Trout Streams		7”	5, with no more than 3 fish over 15”	
Yellow Perch Lake Superior and Inland Lakes	April 16 to October 31	No minimum size	50	Recommend daily limit of 10
Northern Pike Lake Superior and Inland Lakes		24”	5 in any combination, but no more than 2 Northern Pike	Artificial lures only on interior lakes and streams**
Walleye Lake Superior and Inland Lakes	May 15 to October 31	15”		
For additional fish species, seasons, and creel limits, please review the Michigan Fishing Guide				
*1 Park boundaries extend 4.5 miles out into Lake Superior from the outermost land areas of the park.				
*2 For additional trout/salmon fishing information, review the Michigan Fishing Guide.				
** Artificial lure means any lure or fly manufactured in imitation of, or as a substitute for natural bait. It is unlawful to use or possess live bait, dead or preserved bait, organic or processed food, or scented material on interior lakes or streams.				

Wilderness Use

Leave What You Find

Enjoy your discoveries and take them home via photographs, drawings, and memories. Natural objects of beauty or interest such as moose antlers, plants, driftwood, cultural or archeological resources, greenstones, agates, datolite and other minerals, including those found in Lake Superior must be left where they are so others can experience the same sense of discovery. Removing, possessing, or disturbing park resources is prohibited. This may seem like a harmless act, but the cumulative effect of many people doing the same can be quite damaging to park resources. Picking small quantities of berries and wild edibles for personal consumption is permitted.

Insects

Expect mosquitoes, black flies, gnats, and other insects to peak in June or July. During wet summers, mosquito populations can continue well into August. Bring insect repellent, netting, or other skin barriers. Refer to page 5, under “Virus Watch” for more details. Make sure your tent’s mosquito netting is in good repair and the zippers work. Dry summers will produce an abundance of yellowjackets. Bring an epinephrine kit if you or a member of your party is allergic to bee stings. For others, over-the-counter antihistamines may help counter minor swelling and itching.

Minimize Use of Fires

Campfires are permitted at only a handful of campgrounds. A backpacking stove is a must; these stoves are lightweight, dependable, easier to use, and less damaging to the park than wood fires. Twig-burning backpacking stoves are permitted. Where campfires are allowed, a metal fire ring is provided; never build your own ring. Gather only dead and down wood away from the camp area. Use small diameter wood no larger than an adult’s wrist, as this will burn completely and will eliminate the need to pack a hatchet or saw. Collect wood from a wide area and away from the immediate vicinity of camp. This keeps the camp area from becoming depleted of wood and potential nutrients. Do not break branches or strip bark from standing trees, live or dead. Resist the temptation to gather driftwood or wood from beaver dams or lodges. The fire should be kept small; massive fires only waste wood. Once finished, make sure the flames and coals are dead out and cold to the touch. Double check that it is out before going to bed or leaving camp.

Canoeing/Kayaking

Lake Superior is well known for its cold temperatures, fog, and sudden squalls that can generate waves that could easily swamp a canoe. This along with scarce outer shore landing sites adds to the potential danger. Small, open vessels are discouraged from entering these cold treacherous waters and are encouraged to use the numerous miles of waterways that the inland lakes provide. Canoeists and kayakers should be familiar with weather patterns and consult the Marine Forecast at ranger stations before embarking. Be prepared to adjust your schedule to the weather. A portable marine radio is recommended.

Portages – Canoe routes and portages are on the northeast half of the Island. Portages are marked with a letter “P” on a 4” x 4” post. **PFD** – Every canoeist and kayaker must have a U.S. Coast Guard approved personal flotation device. Wear it; your life may depend on it. **Boat Rental** – Canoe and motorboat rentals are available at Windigo and Rock Harbor. For more information contact the Rock Harbor Lodge. (refer to page 10).

Wheeled Vehicles/Devices

Wheeled vehicles (except for wheelchairs) or other mechanical forms of transportation are not allowed on trails. This includes bicycles and portaging devices.

Weapons, Traps, & Nets

The use or possession of weapons, traps, and nets is prohibited. Weapons include any implements designed to discharge a projectile or missile in the air or water. Fireworks are prohibited.

Pets

Dogs, cats, and other pets are not allowed. This includes pets on boats within the park boundaries, which extend 4 1/2 miles into Lake Superior from the outermost land areas of the park. Visitors bringing pets to Isle Royale will be required to leave immediately. Pets disturb wildlife and can transmit diseases, particularly to wolves. Special conditions apply to guide dogs. Please contact the park for further information.

Boating

The main dock at Windigo will be repaired from late May through late July 2003. During this period, its availability will be limited; boats will be directed to the nearby gas dock. Rafting off or anchoring out may be required.

All boaters staying overnight at anchor, at docks, or in campgrounds must first obtain a camping permit. Lake Superior offers challenging and often dangerous weather in the form of dense fog, high winds, waves, and thunderstorms. Combine this with rocky reefs, limited safe harbors, and Isle Royale’s remoteness, and it pays for you, your crew, and your boat to be shipshape. For additional information on boating and trip planning please request the park’s Isle Royale Boating Guide. In addition to Houghton, Rock Harbor, and Windigo, boaters may obtain Isle Royale camping permits and pay user fees at the U. S. Forest Service Ranger Station in Grand Marais, Minnesota. **Restricted Water Activities** – Water skiing and personal watercraft including vessels commonly referred to as jet skis, waverunners, sea-doo’s, wet bikes, or surf jets are prohibited. Since all of the park’s inland lakes are located within designated Wilderness, they can only be explored by paddling. Vessels with motors (even if not in use) are prohibited on inland lakes and streams. **Portable Generators, Electronic and Motorized Devices** – Operation of electronic and motorized devices such as stereos, televisions, radios tuned to commercial stations and portable generators is not permitted except in developed and open-water motorized zones. Developed areas include the Windigo and Rock Harbor developed areas, and the Mott Island Headquarters area. Open water motorized zones include Lake Superior waters outside of designated “quiet/no wake waters”.

On-Board Generators – The operation or use of permanently installed (by the boat manufacturer) on-board vessel generators is allowed between 6 a.m. and 10:00 p.m. in developed zones and at the following docks: Beaver Island, Belle Isle, Caribou Island, Grace Island, Hay Bay, Malone Bay, Rock Harbor, and Windigo. On-board generators may not be operated or used at the following public docks: Birch Island, Chippewa Harbor, Daisy Farm, Duncan Bay, Duncan Narrows, McCargoe Cove, Merritt Lane, Moskey Basin, Siskiwit Bay, Three Mile, Todd Harbor, and Tookers Island. Vessels at anchor within Quiet/No Wake Zones may operate on-board generators between 6:00 a.m. and 10:00 p.m., except when anchored within 1/4-mile of a designated park campground.

Quiet/No Wake Zones – These zones promote a quality visitor experience by providing relatively tranquil, natural marine surroundings. Within the zone, vessels must not exceed 5 mph or create a wake. In flat, calm water, this means not making a wake or traveling no faster than 5 mph. In a one foot sea, a boat could travel up to a speed that would create a one foot wake. Quiet/No Wake Zones include specified areas near Todd Harbor, Johns Island, Barnum/Washington Islands, Hay Bay, Wright Island, Malone Bay, Chippewa Harbor, Conglomerate Bay, Moskey Basin, Lorelei Lane, Tobin Harbor, Merritt Lane, Passage Island, Duncan Bay, Five Finger Bay, Lane Cove, Robinson Bay, Pickerel Cove, Belle Harbor, Crystal Cove, and McCargoe Cove. Consult boater’s maps and brochures available at Park Visitor Centers and on-board the *Ranger III* for specific information. **Alcohol Ban** – Open containers of alcohol are prohibited in campgrounds, on docks, and onboard docked vessels at both Siskiwit Bay and McCargoe Cove.

Pollution Prevention – Head pump-out service is available at Windigo and Rock Harbor when the concession operation is open. Federal regulations prohibit the discharge of any waste, including gray water, into park waters. Vessels carrying spare fuel in portable containers must use legally approved containers. Fuel may not be stored on docks.

Customs – All vessels arriving from Canada (U.S. or Canadian) must clear U.S. customs at Windigo or Rock Harbor Ranger Stations. **Divers** – Please refer to your dive permit regulations concerning compressor use. **Fuel** – Gasoline is sold from Mid-June to early September at Windigo; gasoline and diesel fuel are sold from Mid-May to Mid-September at Rock Harbor. Diesel fuel is not available at Windigo. Early and late season service or fuel may be obtained at Windigo and Mott Island if personnel are available.

Greg Blust
Houghton District Interpreter

Fishing at Isle Royale

A Michigan fishing license is required for fishing in Lake Superior, including narrow bays and harbors, and when transporting fish from the island to the mainland. Although a license is not required to fish on the inland waters of Isle Royale, possession limits are the same as those set by the State of Michi-

gan. Anglers should refer to the Michigan fishing regulations for possession limits and detailed license requirements for Lake Superior (also see the chart on page 7 for a brief guide to regulations). Only 24-hour licenses are available on the island and only when concession services are open.

Fishery Conservation

With its multitude of islands and bays on Lake Superior, as well as several lakes and streams on the interior of the island, Isle Royale provides many opportunities for outstanding recreational fishing for wild, native fish. How can you help to conserve and minimize damage to the Isle Royale fishery?

- Catch only what you plan to keep or eat. Catch and release, while encouraged, can be damaging and very stressful on fish.
- Know the minimum size of fish so that if they are too small they can be quickly released.
- Release larger fish and keep medium size fish to insure future productivity. Larger, more mature fish produce more offspring than smaller fish.
- Instead of killing trophy fish, consider a modern graphite mount produced from a picture of the fish.
- Return fish to the water as soon as possible. While unhooking them, keep fish in the water as much as possible.
- If fishing from shore, try to remove hooks while the fish are in the water; don't drag them up on the bank.
- Try not to handle fish, but if you need to, do so with a wet hand. Release

- handled fish gently by allowing them to swim from your hands rather than throwing them back into the water.
- Do not squeeze the fish or place fingers in the gills, since a torn gill can cause the fish to bleed to death.
 - Remove the hook gently. Pliers work best. Cut the line near the hook if a fish is deeply hooked. A steel hook will decompose in time.
 - Use only artificial lures (required in inland waters) as exotic species can accidentally be introduced by using live bait and live bait are often swallowed deeper resulting in more damage to fish.
 - Use single, barbless hooks or bend down the barbs on the hooks. Using larger spoons when fishing for larger fish such as Northern Pike will help prevent catching undersize fish.

Disposal of Fish Remains

At Rock Harbor, please use the fish cleaning station. At other locations, the preferred method is to dump remains chopped up into pieces 4" or less in deep (50' or deeper) water. This reduces the unsightly remains and odors around campgrounds and the unnaturally large gathering of gulls at these sites. At inland

Jay Glase, Fishery Biologist, National Park Service



How do you partner with and benefit Isle Royale?

Although I'm working for all of the parks within the Great Lakes Network, I will spend much of my time initially working on the Fishery Management Plan for Isle Royale. I will also be involved in determining short and long-term fisheries monitoring needs, and developing study proposals for Isle Royale.

How does your partnership/employment with Isle Royale National Park benefit you?

This is a great opportunity for me to once again work in fisheries in the Lake Superior watershed. The combination of the near shore fishery in Lake Superior and the fisheries of lakes and streams on the island is possibly one of the most diverse experiences a fish biologist could hope for in this area.

lakes where water may be much shallower than 50', clean fish away from campsites and place remains on shore at least 100' away from the campground, between the waterline and the vegetation line. Please do not clean fish directly on docks. Do not throw remains in shallow water near shore or throw remains to gulls.

Transporting Fish to the Mainland

You are allowed only one day's catch in your possession. While the license holder remains on the Island, Michigan Department of Natural Resources (DNR) allows those with DNR permits to ship legally-taken fish on the Ranger III, Isle Royale Queen III, Wenonah, Voyageur II and the seaplane. This one-time per year permit covers up to a single day's catch limit. Fish must be claimed when the ferry service arrives at their destination. Permits may be obtained by writing: Department of Natural Resources, 427 U.S. 41 North, Baraga, Michigan 49908-9627 or calling (906) 353-6651.

Fishermen returning on the Ranger III must check in their fish with the ship's purser. Fish cannot be transported in coolers on private boats onboard the Ranger III.

Fish Consumption Advisory

Contaminants discovered in the Park ecosystem remind us that although Isle Royale is remote, it is part of a global system. Ongoing research in six inland lakes (Sargent, Siskiwit, Eva, Shesheeb, Wagejo, and Anglemorm) shows fish with mercury levels exceeding the State of Michigan fish consumption advisories.

For information on fish consumption advisories check with park staff or visit the Michigan Department of Community Health website at: <http://www.michigan.gov/mdch>

Jay Glase, Fishery Biologist, and Larry Kangas, West District Ranger

Perspectives and Insights

The Isle Royale Artist in Residence program assists in the facilitation of our resource's meaning by offering new perspectives and insights, bridging connections, and altering perceptions. The program promotes opportunities for learning, reflection, and understanding, and supports the preservation and protection of Isle Royale's fragile environment.

The success of the program is based on the rigorous selection method in which artists are chosen. Artists are selected through a revolving panel of art professionals and park representatives. The program seeks to nurture emerging and established artists in an unparalleled unique resource. We offer an opportunity for inspiration, reflection, experimentation, and education. Each artist is responsible for conducting one program per week and for donating a finished piece of work inspired by the island's resource. Five artists annually participate in a two or three-week residency which runs from mid-June through

early September. The program is open to all art forms. The annual application deadline is February 16; applications can be requested by contacting the park (refer to page 2).

Isle Royale National Park's Artist-in-Residence Program was established in 1991, one of the first of its kind. Since then, 27 other National Parks have implemented their own program. The National Park Service Artist-in-Residence Programs play a major role in shaping a better future. Creativity has a tremendous impact on breaking barriers, offering new visitor insights, ideas, perspectives, and offering new environmental solutions. These programs bridge connections that contribute to the health and well-being of the visitor and help to preserve and protect the 388 units of the National Park Service. To find out more about these programs, visit www.nps.gov/volunteer.

Greg Blust
Houghton District Interpreter

Phyllis Fredendall, Fiber Design faculty at Finlandia University, International School of Art and Design; 2002 Artist in Residence, Isle Royale National Park

How do you partner with and benefit Isle Royale?

The day of my first presentation in Rock Harbor happened to be the day neither the Ranger nor the Queen sailed due to 70 knot winds and waves of over four meters. Thus my audience in the auditorium was large and eager for a diversion. I had planned a "hands-on" fiber

experience and soon there were scores of busy hands working around my "catch and release" stones with yarn and string. The stones enjoyed their trip to Rock Harbor and all the attention, then returned to Scoville Point Cove with gratitude. As did I.

How does the partnership with Isle Royale National Park benefit your agency and/or yourself?

Two days into my residency I became aware of a continuous, harmonic hum. Those two tones were with me as I paddled the outer islands, swam each evening, or cooked my oatmeal. I came to know them as "the ringing of the spheres;" water, rock and sky all resonating in perfect harmony. Immersed in those elements and joined in harmony, I found a long lost balance.



Volunteers Provide Critical Support to Isle Royale National Park

Each year, volunteers contribute thousands of hours of service at Isle Royale. The park has a long history of a volunteer doctor-in-residence or on-call for assistance. Dr. Clay, a long time summer resident, first offered his services from Clay Island on the north shore and then from Davidson Island. Now, Dr. David Gilbert is always ready to help either on the island or over the phone. Volunteer groups have made significant contributions in maintenance and construction. High school volunteers from the Student Conservation Association (SCA) with their leaders work on a trail or campground project each summer, contributing over 1,000 hours of work annually. Many SCA volunteers have returned to work in the park after graduation. SCA volunteers also help staff our visitor centers, meeting the ferries and providing vital visitor services.

A Sierra Club group of volunteers works on trail projects each August. During a

very successful housing initiative, volunteers constructed housing units at Malone Bay and Amygdaloid. A group lead by Dr. Carol Hicks has provided thousands of hours of construction assistance on housing units, the Windigo Visitor Center, and the Malone Bay Ranger Station. The Great Lakes Shipwreck Preservation Society is helping us document and preserve our shipwrecks. Other volunteers regularly complete bird surveys, loon counts, and other resource management projects. Volunteers provide visitor information on board the Ranger III and in the backcountry. Other volunteers staff the library, resource center, and work with the museum collection.

Annually volunteers provide over 15,000 hours of service. We couldn't do what we do at Isle Royale without the selfless service of our volunteers.

Liz Valencia
Branch Chief of Cultural Resources



Rock Harbor Lodge & Windigo Store

Rock Harbor Lodge offers the only lodging accommodations at Isle Royale National Park. Located along the shore of Lake Superior, the Lodge offers rooms with private baths and housekeeping cottages. We invite you to use Rock Harbor Lodge and its American Plan lodging as a base to explore this unique National Park.

Rock Harbor Lodge

The lodge has four buildings composed of 60 American Plan rooms located along the shoreline of Rock Harbor at the northeast end of Isle Royale. The lodge is open June 10 through September 5. Each room accommodates four and offers a private bath and picture windows overlooking the harbor and surrounding islands.

Housekeeping Cottages

Twenty duplex housekeeping cottages are located between the Lodge marina and Tobin Harbor. Cottages are open May 23 through September 5. The units accomodate six and are furnished with utensils, dishware, private bath, dressing room, double bed and two bunk beds. Linens, blankets, electric heat and studio-type living area are featured.

Gift Shop and Dockside Store

The Lodge Gift Shop sells a selection of handcrafted gifts, apparel, photo supplies, postcards, souvenir items, daily fishing licenses, and tackle. The Dockside Store offers standard groceries as well as freeze dried foods, fishing tackle, stove fuel, camping and hiking accessories, boating accessories, showers, laundry facilities, and sundries.

Lodge Dining Room

To satisfy the appetites of visitors, the dining room offers hearty meals, including fresh Lake Superior Lake Trout. The American Plan includes breakfast, lunch, and dinner in the dining room for lodge guests. Housekeeping guests and park visitors are welcome.

Marina and Water Taxi

The Rock Harbor Marina has 450 feet of dock

space and accommodates boats up to 65 feet. Electrical and fresh water hook-up with sewage pump-out service, gasoline, and diesel fuel are available. The marina also offers canoe, kayak, and small boat rentals. To assist access into the backcountry, our water taxi can drop off or pick-up island visitors along with their canoes or kayaks at many of the island's docks.

Sightseeing and Fishing Charters

Get acquainted with Isle Royale by experiencing a sightseeing trip aboard the *M. V. Sandy* tour boat. Visit the Edisen Fishery and historic Rock Harbor Lighthouse, cruise to and hike the trails to Lookout Louise, Raspberry Island, Minong Mine and Passage Island. If fishing is more your game, have our guides take you to the best places to fish Lake Superior waters. The charter boats are fully equipped and fishing tackle is provided.

Windigo

Windigo Store is located at the southwestern end of Isle Royale. The store is open June 6 through September 7, selling groceries, cold sandwiches, camping supplies, stove fuel, daily fishing licenses and tackle, gifts and photo supplies. The marina offers gasoline, pump-out service, plus motorboat and canoe rentals. Showers and laundry facilities are located near the store.

Contact Rock Harbor Lodge for a color brochure and rate schedule.

Summer
P.O. Box 605
Houghton, Michigan 49931-0605
(906) 337-4993

Winter
Isle Royale Resorts
P.O. Box 27
Mammoth Cave, Kentucky 42259-0027
(270) 773-2191

E-mail:
Isleroyaleresort@starband.net

Website:
www.isleroyaleresort.com
The cost for utilities on Isle Royale is much higher than on the mainland. A utility surcharge will be added to the cost of all goods and services provided by Rock Harbor Lodge.

Dr. Carol Hicks, Northern Michigan University Professor, Volunteer for Isle Royale National Park

How do you partner with and benefit Isle Royale?

This is my tenth year of providing volunteer services to Isle Royale National Park. Myself, along with my work crew (varies from six to twelve people per visitation) share the common sense of worth and satisfaction in giving something back to our Nation. The partnering with the Park has extended to undergoing specific training for competence as a boat operator, scaffolding erector, safety coordinator and outdoor first-aid provider.



How does your partnership with Isle Royale National Park benefit you?

While coming to Isle Royale at least twice a season, for my eight day working vacation sessions, I have grown to love its natural splendors. It has become a personal pleasure to give many hours of time to Isle Royale and the natural rewards have made me wealthy beyond expression. I know of no place on earth where I would rather spend that time.

Dr. David Gilbert, Retired surgeon, Volunteer Sponsoring Physician for Isle Royale National Park

How do you partner with and benefit Isle Royale National Park?

I train Park staff and provide over-the-phone consultation to the island during medical emergencies. Our medical system has benefited many staff and visitors at Isle Royale by being able to provide basic care in such an isolated place. Beginning in 1971 and continuing today, the phone rings often in the summertime when things are busy. We have improved the outcome of many mishaps. When I visit the island in my personal boat, I provide examination and treatment out of the Spruces Cabin at Rock Harbor.



How does your partnership with Isle Royale National Park benefit you?

I feel that everyone should give something back to their community, and one way I do this is by volunteering for the park, state, and region, in various medical capacities. In addition, I used to love backpacking on Isle Royale, and now I thoroughly enjoy boating there. Isle Royale means a lot to me; it is why I took up practice in the Copper Country.

Dr. Bob Janke, Volunteer Ecologist, Isle Royale National Park and retired professor, Michigan Technological University

How do you partner with and benefit Isle Royale?

I help with seasonal training, teaching the new people the ecology of the island, and other island topics, like history. I also complete vegetation monitoring and rare plant surveys for park projects related to the ecology of Isle Royale's vegetation. I have spent 44 of the last 48 summers on Isle Royale, first as a Park Ranger, then a Park Naturalist, and now a Volunteer Ecologist.



How does the partnership with Isle Royale National Park benefit you?

It gives me the chance to be in the most beautiful place on earth. I've become so used to Isle Royale being my summer home, it's hard to imagine not being there.

Kim Alexander, Manager, Rock Harbor Lodge

How do you partner with and benefit Isle Royale National Park?

Isle Royale Resorts provides visitor services at Isle Royale National Park. These services include lodging, food service, sightseeing tours, water taxis, fishing charters, marina services, boat, canoe, and kayak rentals, sales of camping supplies, gifts and groceries. This position gives us the opportunity to be involved in some way in just about every park visitor's stay on the island. We know our customers rely on our services and we are very serious about fulfilling this responsibility. We would also want the park visitor to know we carry out our responsibilities while enthusiastically supporting the philosophy in effect at each property owned or operated by Forever Resorts: Play, Preserve, Protect.



How does your partnership with Isle Royale National Park benefit your agency and/or yourself?

For our company the partnership we enjoy with Isle Royale National Park means we have fulfilled our contractual obligations and done our job by providing outstanding service to the park visitor. For me the benefit comes from the satisfaction gained by joining with others to meet the challenge of putting together a successful season each year. It has been a wonderful journey so far but the best is yet to come!

Transportation Services

FROM GRAND PORTAGE, MINNESOTA



VOYAGEUR II

Grand Portage to Windigo - 2 hours one-way,
Windigo to Rock Harbor - 5 hours one-way,
concession operated, 60 ft. vessel

SCHEDULE (Central Daylight Time)

■ Grand Portage to Rock Harbor via Windigo/
McCargoe Cove/Belle Isle
5/3 thru 5/10 Sat 8:00 a.m.
5/14 thru 9/20 M, W & Sat 8:00 a.m.
9/24 thru 10/25 W & Sat 8:00 a.m.
■ Rock Harbor to Grand Portage via Daisy
Farm/Chippewa Harbor/Malone Bay/Windigo
5/4 thru 5/11 Sun. 8:00 a.m.
(9:00 a.m. EDT)
5/15 thru 9/21 Tue, Th, & Sun 8:00 a.m.
(9:00 a.m. EDT)
9/25 thru 10/26 Th & Sun 8:00 a.m.
(9:00 a.m. EDT)

FARES	ONE-WAY
Grand Portage to Windigo	\$50.00
Grand Portage to McCargoe Cove/Belle Isle/ Rock Harbor/Daisy Farm/Chippewa Harbor/ Malone Bay	58.00
Windigo to McCargoe Cove	34.00
Windigo to Rock Harbor	44.00
McCargoe Cove/Belle Isle to Rock Harbor	34.00
Rock Harbor to Daisy Farm/Chippewa Harbor/ Malone Bay or in between	34.00
Rock Harbor/Daisy Farm to Windigo	44.00
Chippewa Harbor/Malone Bay to Windigo	34.00
Children (4 thru 11)	34.00
Children (2 and under)	FREE
Regular Canoes, Single Kayaks	28.00
Large Single, Tandem Kayaks	32.00
Large Tandem, Triple Kayaks	Call for rate
Outboard Motors (empty of fuel)	16.00 - 32.00
Fuel Tanks for Outboard Motors (empty of fuel)	5.00
Air Tanks (each)	9.00
40 lbs. Gear per passenger	FREE
Additional freight after 40 lbs.	\$28.00/100 lb.

RESERVATIONS

Full payment required for confirmed reservation. Refund, minus 10% if cancellation is made 72 hours before departure plus return of unused tickets. National Park "User Fee" payable at time of ticket purchase. MasterCard and Visa accepted.

MISCELLANEOUS

Parking fee • Hot coffee available • Freight shipments must be arranged in advance • Fishing poles must be in protective cases • Hard gear must be in securely closed packs.

FOR INFORMATION OR RESERVATIONS CONTACT

Grand Portage - Isle Royale
Transportation Line, Inc.
1507 N. First Street, Superior, WI 54880
Phone: (715) 392-2100
Fax: (715) 392-5586
E-mail:
Stuart@Grand-Isle-Royale.com
Website:
www.GRAND-ISLE-ROYALE.com

FROM GRAND PORTAGE, MINNESOTA



WENONAH

3 hours one-way, concession operated,
63 ft. vessel

SCHEDULE (Central Daylight Time)

June 11 thru September 14
■ Grand Portage to
Windigo daily 9:30 a.m.
■ Windigo to
Grand Portage daily 3:00 p.m.
(4:00 p.m. EDT)

FARES	ONE-WAY
Adults	\$36.00
Children (4 thru 11 years)	20.00
Children (3 and under)	FREE
Regular Canoes/Single Kayaks	28.00
Large Single, Tandem Kayaks	32.00
Large Tandem, Triple Kayaks	Call for rate
Outboard Motors (empty of fuel)	16.00 - 32.00
Fuel Tanks for Outboard Motors (empty of fuel)	5.00
Air Tanks (each)	9.00
40 lbs. Gear per passenger	FREE
Additional freight after 40 lbs.	\$28.00/100 lb.

SAME DAY ROUND-TRIP

Adults \$40.00
Children (4 thru 11 years) 20.00
Children (3 and under) FREE

RESERVATIONS

Full payment required for confirmed reservation. Refund, minus 10% if cancellation is made 72 hours before departure plus return of unused tickets. A 10% discount is offered on advance Group Reservations of 10 or more. National Park "User Fee" payable at time of ticket purchase. MasterCard and Visa accepted.

MISCELLANEOUS

Parking fee • Hot coffee available • Limited snacks • Sightseeing en route • Fishing poles must be in protective cases • Hard gear must be in securely closed packs.

FOR INFORMATION OR RESERVATIONS CONTACT

Grand Portage-Isle Royale
Transportation Line, Inc.
1507 N. First Street, Superior, WI 54880
Phone:
(715) 392-2100
Fax:
(715) 392-5586
E-mail:
Stuart@Grand-Isle-Royale.com
Website:
www.GRAND-ISLE-ROYALE.com

FROM COPPER HARBOR, MICHIGAN



ISLE ROYALE QUEEN III

4 1/2 hours one-way, concession operated,
81 ft., 100 passenger vessel

SCHEDULE(Eastern Daylight Time)

■ Copper Harbor 8:00 a.m.
■ Rock Harbor 3:00 p.m.
5/12 thru 6/6 M & F
6/7 thru 6/30 M, T, Th, F, Sat
7/1 thru 7/31 M, T, Th, F, Sat, Sun
8/1 thru 8/31 Every Day
9/1 thru 9/29 M & F

FARES	ONE-WAY
Adults	\$42.00
Children (1 thru 11 years)	21.00
Infants (under 1 year)	FREE
Canoes, Kayaks, Folding Boats	20.00
Motorboats (hand-loaded only)	45.00
Motors (under 6 hp)	5.00
Motors (6 hp and over)	15.00
Air Tanks (each)	5.00
100 lbs. gear per person	FREE
101 – 199 lbs. gear per person	15.00
200 – 299 lbs. gear per person	20.00

RESERVATIONS

A full fare deposit is required for each reservation requested. All boats, kayaks, and canoes require advance reservations. Most credit cards are accepted.

CANCELLATIONS

There is no refund if canceled less than three days before sailing. Cancellations received with more than 3 days notice will be sent an 85% refund. If canceling a large group, please give as much notice as possible.

MISCELLANEOUS

Free parking • Limited snacks • Freight, boats, tanks carried for our passengers only • Due to weight restrictions, boaters, or passengers with excess gear may be asked to sail on days other than those requested • Inasmuch as our insurance policy precludes passenger assistance, hand-loaded boats will be defined as those that can be lifted by our crew only • Phone, letter and e-mail reservations accepted. The National Park Daily User Fee is collected on the Queen as it sails to Isle Royale and is payable in cash, check, or money order only.

FOR INFORMATION OR RESERVATIONS CONTACT

The Isle Royale Line
P.O. Box 24, Copper Harbor, MI 49918
Phone:
(906) 289-4437
Fax:
(906) 289-4952
E-mail:
Captaink@up.net
Website:
www.isleroyale.com

FROM HOUGHTON, MICHIGAN



RANGER III

6 hours one-way, National Park Service
operated, 165 ft., 126 passenger vessel

SCHEDULE(Eastern Daylight Time)

May 30 thru September 13
■ Houghton to Rock Harbor
Tues. & Fri. 9:00 a.m.
■ Rock Harbor to Houghton
Wed. & Sat. 9:00 a.m.

FARES	ONE-WAY
Adults	\$49.00
Children (1 thru 11 years)	24.00
Infants (under 1 year)	FREE
Boat (less than 18')	70.00
Boat (18' to 20'00")	115.00
Disabled Boat (20'01" to 22'00")	300.00
Disabled Boat (22'01" to 26'00")	400.00
Canoes/Kayaks	21.00
Canoes/Kayaks over 20'00" or over 90 lbs.	50.00
Outboard Motor	15.00
100 lbs. gear per passenger	FREE
Additional freight after 100 lbs	\$8.00/100wt.

GROUP RATES ONE-WAY

(A party of seven or more)
Adults..... \$43.00
Children (1 thru 11 years) \$21.00

RESERVATIONS

MasterCard and Visa accepted. Fourteen-day notice required for a refund, minus 15%. No refund if cancellation is made within 14 days of departure. Passenger Reservations begin January 2.

Due to limited deck space for private boats, reservations will be accepted December 1, by mail, fax, or email. January 2 reservations on hand are processed in an order determined by a drawing. Requests received after the drawing are processed in the order they are received. Beginning January 16, private boat reservations are accepted by telephone or in person.

MISCELLANEOUS

Free parking • Short order restaurant • Interpretive Programs • Backcountry Permits issued • Four lounges. The National Park Daily User Fee is collected on the morning of departure.

FOR INFORMATION OR RESERVATIONS CONTACT

Isle Royale National Park
800 East Lakeshore Drive
Houghton, MI 49931-1869
Phone:
(906) 482-0984
Fax:
(906) 482-8753
E-mail:
ISRO_Ranger3Reserve@nps.gov
Website:
www.nps.gov/isro



SEAPLANE

Air service to Isle Royale National Park is undetermined for the 2003 season. The National Park Service was actively pursuing a new seaplane service contract when this paper went to print. The contract would base the seaplane service in or around the Houghton, Michigan area. For current information, please contact the park (refer to page 2).

WATER TRANSPORTATION ON THE ISLAND VOYAGEUR II

During its clockwise circumnavigation of the Island, the Voyageur II provides drop-off and pick-up services at several areas. Please refer to their schedule and rates.

ROCK HARBOR LODGE WATER TAXI

Provides drop-off and pick-up services between Rock Harbor and McCargoe Cove on the north shore and Rock Harbor and Siskiwiit Bay on the south shore. For contact information refer to page 2.

GENERAL INFORMATION

• No alcohol consumption on passenger ferries. • Pets and wheeled devices are not allowed. • Wheelchairs are allowed. • Stove fuel can be carried in approved containers on ferries, but not on the seaplane. • Lake Superior weather is cool throughout the year; for comfort bring a warm jacket.

Stuart Sivertson, President, Grand Portage – Isle Royale Transportation Line, Inc.



Staff of Isle Royale Transportation Lines, Inc.,
with Stuart Sivertson on far right

We have enjoyed a long and fruitful partnership with Isle Royale National Park and its personnel that began with our passenger and freight service to the island commencing in the year 1947. In the early years, our service consisted of servicing and supplying many of the commercial fishing families who operated out of a number of harbor locations around the island. With the decline of fishing following the sea lamprey invasion of Lake Superior, our service became increasingly

devoted to accommodating visitors, sightseers, and researchers to this unique archipelago. Throughout this long history, we have benefited greatly from the wholehearted and enthusiastic help of National Park Service people at all levels. We are very grateful to so many of them for their countless co-operation and assistance. We look forward to continuing in this partnership of public service and shared affection for this wonderful place.

Isle Royale’s Recreation Fee Demonstration Program

Fee Categories	Rate and Explanation
Daily User Fee	\$4.00 per person per day. Children 11 and under are exempt from the fee.
(Optional): Individual Season Pass	\$50.00 This pass is valid from April 16 through October 31 of the year indicated. The pass covers the Daily User Fee for the person whose signature appears on the pass.
(Optional): Season Boat Rider Pass	\$150.00 This pass is valid from April 16 through October 31 of the year indicated. The pass covers the Daily User Fee for all persons onboard, when affixed to the private boat. When camping, the pass is only valid for passengers included in and following the itinerary of the vessel.

Christine Manninen, President of the Board, Isle Royale Natural History Association; Project Manager, Communications and Information Management, Great Lakes Commission

How do you partner with and benefit Isle Royale?

The Isle Royale Natural History Association (IRNHA) works in partnership with the National Park Service to promote the public's understanding, appreciation and enjoyment of both Isle Royale National Park and Keweenaw National Historical Park. To accomplish this mission, IRNHA publishes books, posters, trail guides and maps and contributes to many related products — including this newspaper — that enhance the Isle Royale experience for all park visitors.



How does the partnership with Isle Royale benefit your agency or yourself?

My involvement with IRNHA has greatly increased my understanding of the park's natural and cultural, as well as human, resources. The island is blessed to have visitors who have such a deep appreciation for its history and unique value within the national park system.

ISLE ROYALE NATURAL HISTORY ASSOCIATION

The Isle Royale Natural History Association, in partnership with the National Park Service, promotes understanding, appreciation, and enjoyment of Isle Royale National Park and Keweenaw National Historical Park. By educating the public about these parks, we help to protect and preserve them for future generations. This year the Isle Royale Natural History Association will contribute over \$17,000 to Isle Royale National Park and Keweenaw National Historical Park to support research and interpretive projects.

YOU CAN HELP...

You can support the work of Isle Royale Natural History Association and our partner parks by becoming a contributing member of our organization. Your tax-deductible contribution will help us share the stories of Isle Royale National Park and Keweenaw National Historical Park with people of all ages, around the world. Membership levels are:

Life	\$1000 (Payable in 5 installments)
Benefactor	\$500
Patron	\$250
Sustaining	\$100
Supporting	\$50
Household	\$25
Individual	\$20

IRNHA members receive

- 10% discount on all purchases from IRNHA outlets and other public land visitor centers throughout the U.S.,
- 4 issues of the Wolf's Eye Newsletter,
- park newspapers,
- opportunity to participate in the IRNHA e-mail list,
- membership programs and meetings.

Please send your contribution with the form below or charge your contribution by calling us at 800-678-6925, or using the order form on our website at www.irnha.org.

Jill Burkland
Executive Director, Isle Royale Natural History Assoc.

ISLE ROYALE NATURAL HISTORY ASSOCIATION PRODUCTS

ISLE ROYALE NATURAL HISTORY ASSOCIATION PRODUCTS

Trails Illustrated Map	\$9.95
Full park topographic map with visitor information, detailed maps of Rock Harbor and Windigo, and highlighted trails with mileage. Waterproof and tearproof. Folded.	
Lake Charts	\$17.50
Official NOAA navigation charts for Isle Royale, Lake Superior, and Grand Portage. Soundings in feet.	
Hiking & Canoeing Package	\$24.00
Includes the Trails Illustrated map, the book Isle Royale National Park: Foot Trails and Water Routes, and the park checklists of birds, mammals, and rocks.	

NEW!!! Diaries of an Isle Royale Fisherman Seglem	\$10.95
Reproductions of the journals and correspondence of Elling Seglem who fished from Isle Royale's Fisherman's Home between 1920 and 1932. A photographer during the winter, Seglem ws extremely creative in designing and illustrating newspaper-fromat letters sent home to his family in Chicago. Historic photos and cartoons. 185 pages.	
NEW!!! Ecological Study of Wolves on Isle Royale 2002-2003 Peterson	\$3.95
This year's report from the winter study on Isle Royale. Includes latest information on the island's wolf and moose populations. <i>Annual Reports from 1989-2001 also available.</i>	
The Wolves of Isle Royale: A Broken Balance Peterson	\$29.50
First-hand account of the longest running study of any wild mammal. Author/wildlife biologist Rolf Perterson has been involved in the study of wolves on Isle Royale for 33 years and is known worldwide for his research. Over 100 photos. Hardcover. 160 pages.	

Fishes of Isle Royale Lager and Goldman	\$4.95
This complete fishing guide includes information on the five fish habitats on the Island, a full description of all major species with illustrations, keys to fish identification, and an annotated list of fishes. Charts, maps. 58 pages.	

The Geological Story of Isle Royale National Park Huber	\$9.95
Classic study of Isle Royale's geological history and landscape, the shifting of rocks and specific minerals which produced one of the most beautiful islands in North America. Maps, photos, and illustrations. 66 pages	

The Island Within Us: Isle Royale Artists in Residence Burkland/Root, Editors	Hardcover \$45.95 Paper \$29.95
Artwork and essays from one of the National Park Service's longest running Artist in Residence programs. Paintings, photographs, poetry, and more. Full color coffee table book. 165 pages.	

Isle Royale: Moods, Magic, and Mystique Rennieke	\$11.95
This publication captures the essence of Isle Royale. Forty outstanding color photos show the Island in all its mystery and majesty. Winner of the 1990 National Park Service Director's Award for best publication. 40 pages.	

NEW!!! Isle Royale National Park: Foot Trails and Water Routes DuFresne	\$14.95
The park's authoritative illustrated guidebook. Contains all the information you need to arrange everything from a series of day hikes to a two-week trek that circles the park. A must for planning your backpacking or canoeing trip to Isle Royale. 136 pages.	

Place Names of Isle Royale Parratt and Welker	\$7.95
The origins, histories, and stories of over 250 Isle Royale locations. A history of Isle Royale in itself. Illustrated with over 50 photographs, drawings and maps, including a complete fold-out map of Isle Royale. 96 pages.	

Superior Wilderness: Isle Royale National Park Shelton	\$15.95
A natural history of Isle Royale for the layperson, emphasizing the ecology of the island, the relationship between its plants, animals and physical environment. Color photographs and an extremely readable text. Maps, photos, charts, illustrations. 171 pages.	

The Wildflowers of Isle Royale Janke	\$8.95
A complete guide to the 101 wildflowers of the island, each with a full written description and a large pen and ink drawing. Index. 96 pages.	

Exploring Isle Royale Video VHS	\$17.95
Orientation video produced by the National Park Service. Shows how to best enjoy the Island's many attributes, including its trails, lakes, and campsites. Winner of the 1995 Michigan Outdoor Writers Association Best Outdoor Travel Program. 28 minutes.	

Isle Royale T-shirt	\$18.95
Heavyweight 100% cotton shirt in natural color depicting 8 images of Isle Royale flora and fauna — wolf, moose, loon, brook trout, wood lily, thimbleberry, moccasin flower and balsam fir. Available in Adult M, L, XL, and XXL.	

NEW!!! Lake Superior Beach Stones Poster Robinson	with mailing tube \$14.45
A painting depicting the common and colorful beach stones of Isle Royale and the Keweenaw Peninsula. Multi-colored with a black border. 16" x 20."	



Mail Order Form To: Isle Royale Natural History Association, 800 E. Lakeshore Drive, Houghton, MI 49931-1869
Or To Order Call Toll Free: 1-800-678-6925

Item	Quantity	Price

<table><tr><td>Ship To Name:</td></tr><tr><td>Address:</td></tr><tr><td>City,State,Zip:</td></tr><tr><td>Phone:</td></tr></table>	Ship To Name:	Address:	City,State,Zip:	Phone:	<table><tr><td colspan="2">Shipping charges:</td></tr><tr><td>Up to \$10.00</td><td>\$3.00</td></tr><tr><td>\$10.01 – \$15.00</td><td>\$4.00</td></tr><tr><td>\$15.01 – \$30.00</td><td>\$5.00</td></tr><tr><td>\$30.01 – \$50.00</td><td>\$6.00</td></tr><tr><td>\$50.01 – \$75.00</td><td>\$7.00</td></tr><tr><td>Over \$75.00</td><td>\$8.00</td></tr><tr><td>Priority Mail:Add</td><td>\$4.00</td></tr><tr><td colspan="2">Additional charge outside U.S.</td></tr></table>	Shipping charges:		Up to \$10.00	\$3.00	\$10.01 – \$15.00	\$4.00	\$15.01 – \$30.00	\$5.00	\$30.01 – \$50.00	\$6.00	\$50.01 – \$75.00	\$7.00	Over \$75.00	\$8.00	Priority Mail:Add	\$4.00	Additional charge outside U.S.		<table><tr><td>Total Purchase</td><td>_____</td></tr><tr><td>Less 10% for Members</td><td>_____</td></tr><tr><td>Subtotal</td><td>_____</td></tr><tr><td>Mi. residents add 6% sales tax</td><td>_____</td></tr><tr><td>Shipping (see chart)</td><td>_____</td></tr><tr><td>Additional Charge for Priority Mail</td><td>_____</td></tr><tr><td>Membership Fee</td><td>_____</td></tr></table>	Total Purchase	_____	Less 10% for Members	_____	Subtotal	_____	Mi. residents add 6% sales tax	_____	Shipping (see chart)	_____	Additional Charge for Priority Mail	_____	Membership Fee	_____
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Method of Payment: ☐ Check ☐ Visa ☐ MasterCard ☐ Discover
Card# _____ Expiration Date: _____
Signature (required) _____ (U.S. Funds Only) Make checks payable to:
Isle Royale Natural History Association

Please allow 10 days for delivery

To order Call **1-800-678-6925**, use the attached order form, or see our website, **www.irnha.org**, for a complete listing of IRNHA Publications and Products
IRNHA MEMBERS RECEIVE A 10% DISCOUNT ON ALL PURCHASES
PURCHASES HELP SUPPORT ISLE ROYALE NATIONAL PARK